

CLAIMS

We claim:

1. A fiber material, comprising:

a first base fiber component comprising a first denier and a first luster component;

- 5 a second base fiber component comprising a second denier and a second luster component, wherein the first denier and the second denier are different and wherein the first luster component and the second luster component are different; and

a plurality of binder fibers.

- 10 2. The fiber material of claim 1, wherein at least some of the binder fibers comprises a synthetic material.

3. The fiber material of claim 2, wherein the synthetic material comprises a polyamide-based compound.

4. The fiber material of claim 3, wherein the polyamide-based compound comprises nylon-6.

- 15 5. The fiber material of claim 3, wherein the polyamide-based compound comprises nylon-6,6.

6. The fiber material of claim 3, wherein the polyamide-based compound comprises nylon-12.

- 20 7. The fiber material of claim 1, wherein the fiber material comprises less than about 2.5 weight percent of the plurality of binder fibers.

8. The fiber material of claim 7, wherein the fiber material comprises less than about 2 weight percent of the plurality of binder fibers.

9. The fiber material of claim 8, wherein the fiber material comprises less than about 1.5 weight percent of the plurality of binder fibers.
10. The fiber material of claim 9, wherein the fiber material comprises less than about 1 weight percent of the plurality of binder fibers.
- 5 11. The fiber material of claim 1, wherein the first luster component is less than about .45% TiO_2 .
12. The fiber material of claim 11, wherein the first luster component is less than about .25% TiO_2 .
- 10 13. The fiber material of claim 12, wherein the first luster component is less than about .15% TiO_2 .
14. The fiber material of claim 13, wherein the first luster component is less than about .1 % TiO_2 .
15. The fiber material of claim 1, wherein the second luster component is less than about .45% TiO_2 .
- 15 16. The fiber material of claim 15, wherein the second luster component is less than about .25% TiO_2 .
17. The fiber material of claim 16, wherein the second luster component is less than about .15% TiO_2 .
18. The fiber material of claim 17, wherein the second luster component is less than about .1
20 % TiO_2 .
19. The fiber material of claim 1, wherein the first denier is from about 6 to about 12.
20. The fiber material of claim 1, wherein the second denier is from about 6 to about 12.
21. The fiber material of claim 19, wherein the first denier is less than about 12.

22. The fiber material of claim 21, wherein the first denier is less than about 7.
23. The fiber material of claim 22, wherein the first denier is 6.5.
24. The fiber material of claim 20, wherein the second denier is less than about 12.
25. The fiber material of claim 24, wherein the second denier is 10.
- 5 26. The fiber material of claim 24, wherein the second denier is less than about 7.
27. A method of producing a fiber material, comprising:
- providing a first base fiber component comprising a first denier and a first luster component;
- providing a second base fiber component comprising a second denier and a second luster component, wherein the first denier and the second denier are different and wherein the first luster component and the second luster component are different;
- 10 providing a plurality of binder fibers; and
- blending the first base fiber component, the second base fiber component and at least some of the plurality of binder fibers to form the fiber material.
- 15 28. The method of claim 27, wherein the binder fiber comprises a synthetic material.
29. The method of claim 28, wherein the synthetic material comprises a polyamide-based compound.
30. The method of claim 29, wherein the polyamide-based compound comprises nylon-6.
31. The method of claim 29, wherein the polyamide-based compound comprises nylon-6,6.
- 20 32. The method of claim 29, wherein the polyamide-based compound comprises nylon-12,
33. The method of claim 27, wherein the fiber material comprises less than about 2.5 weight percent of the plurality of binder fibers.

34. The method of claim 33, wherein the fiber material comprises less than about 2 weight percent of the plurality of binder fibers.
35. The method of claim 34, wherein the fiber material comprises less than about 1.5 weight percent of the plurality of binder fibers.
- 5 36. The method of claim 35, wherein the fiber material comprises less than about 1 weight percent of the plurality of binder fibers.
37. The method of claim 27, wherein the first luster component is less than about .45% TiO_2 .
38. The method of claim 37, wherein the first luster component is less than about .25% TiO_2 .
39. The method of claim 38, wherein the first luster component is less than about .15% TiO_2 .
- 10 40. The method of claim 39, wherein the first luster component is less than about .1 % TiO_2 .
41. The method of claim 27, wherein the second luster component is less than about .45% TiO_2 .
42. The method of claim 41, wherein the second luster component is less than about .25% TiO_2 .
- 15 43. The method of claim 42, wherein the second luster component is less than about .15% TiO_2 .
44. The method of claim 43, wherein the second luster component is less than about .1% TiO_2 .
45. The method of claim 27, wherein the first denier is from about 6 to about 12.
- 20 46. The method of claim 27, wherein the second denier is from about 6 to about 12.
47. The method of claim 45, wherein the first denier is less than about 12.
48. The method of claim 47, wherein the first denier is less than about 7.

- 49. The method of claim 48, wherein the first denier is 6.5.
- 50. The method of claim 46, wherein the second denier is less than about 12.
- 51. The method of claim 50, wherein the second denier is 10.
- 52. The method of claim 50, wherein the second denier is less than about 7.
- 5 53. The method of claim 27, wherein blending further comprises heating the first base fiber component, the second base fiber component and at least some of the plurality of binder fibers to activate the binder fibers.
- 54. The method of claim 53, wherein activating the binder fibers comprises forming bonds between the plurality of binder fibers and at least one of the first base fiber component
10 and the second base fiber component.
- 55. The method of claim 53, wherein heating comprises atmospheric pressure forced air heating.
- 56. The method of claim 53, wherein heating comprises pressurized steam heating.
- 57. A yarn product comprising the fiber material of claim 1.
- 15 58. A carpet product comprising the fiber material of claim 1.
- 59. A carpet product comprising the yarn product of claim 57.